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# USDA GRADE STANDARDS

## for Food and Farm Products

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## PREFACE

U.S. grade standards are used extensively in marketing farm products. They are the basis of the Federal and Federal-State grading services, and manufacturers and packers often use them in quality control work.

Use of the standards is voluntary in most cases but some States and communities require the use of certain standards in their areas. Federal marketing agreements and orders often require the use of U.S. standards, and some Federal statutes specify mandatory use of Federal grade standards under certain conditions. A list of these statutes and a brief explanation of their provisions is contained in the appendix on page 15.

This pamphlet lists all the U.S. Department of Agriculture grade standards in effect as of December 21, 1977.

These standards are developed and issued by the Food Safety and Quality Service (FSQS), the Agricultural Marketing Service (AMS), and the Federal Grain Inspection Service (FGIS). Although a few are practical (physical) forms, most are descriptive standards available as individual publications. To obtain copies, write to the division and agency listed, U.S. Department of Agriculture, Washington, D.C. 20250.

The Code of Federal Regulations (CFR) contains all the USDA grade standards. It is revised annually and amendments to the standards are published--when issued--in the FEDERAL REGISTER. The Code of Federal Regulations is available at local libraries or may be purchased from the Government Printing Office (GPO), Washington, D.C. 20402. Volumes containing grade standards are listed below. Contact GPO for prices.

7 CFR, parts 0-45	Cotton, Linters, Grain, Wool, Tobacco
7 CFR, parts 46-71	Live Animals
7 CFR, parts 53-209	Cottonseed, Beans, Peas, Lentils, Rice, Hay, Straw, Rosin, and Turpentine
7 CFR, parts 2800-2851	General, Fresh Fruits and Vegetables
7 CFR, part 2852	Processed Fruits and Vegetables
7 CFR, parts 2853-end	Dairy Products, Meat, Poultry and Poultry Products

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AGRICULTURE HANDBOOK NO. 533  
Supersedes AH-341, "USDA Standards  
for Food and Farm Products"

May 1978

COTTON AND COTTONSEED

WRITE TO: COTTON DIVISION, AMS

Cotton

Official cotton standards of the United States for the grade of American Upland cotton. July 1, 1975. (CN regulations No. 180) 28.401 1/  
Official cotton standards of the United States for the grade of American Pima cotton. July 1, 1970. (CN regulations No. 180) 28.501  
Official cotton standards of the United States for length of staple. August 1, 1961. (CN regulations No. 180) 28.301  
Official cotton standards of the United States for fiber fineness and maturity. June 1, 1966. (CN regulations No. 180) 28.601

Cottonseed

Standards for grades of cottonseed sold or offered for sale for crushing purposes within the United States. Oct. 9, 1972. (CN regulations No. 179) 61.101

Linters

Official cotton linters standards of the United States for grade. July 1, 1956. (CN regulations No. 180) 28.201  
Official cotton linters standards of the United States for staple. July 1, 1957. (CN regulations No. 180) 28.215

GENERAL

WRITE TO: STATISTICS AND TECHNICAL SUPPORT STAFF, FSQS

Standards for condition of food containers. Nov. 1, 1976. 2842.101  
Standards for sampling plans. May 5, 1964. 2843.101

1/ Numbers following each reference to a standard refer to the location of the standard in the Code of Federal Regulations, Title 7. Thus the reference "28.401" should be read as 7CFR28.401. This shows that the standard begins at paragraph 401, part 28, Title 7 of the Code. See preface for details on obtaining copies of the CFR.

The date shown after each standard refers to the last date the standard was issued, revised, or amended.

## DAIRY PRODUCTS

WRITE TO: POULTRY AND DAIRY QUALITY DIVISION, FSQS

Butter. April 1, 1960. 2858.2621  
Cheddar cheese. May 1, 1956. 2858.2501  
Colby cheese. January 15, 1973. 2858.2475  
Dry Buttermilk. January 31, 1971. 2858.2651  
Dry Whole Milk. January 31, 1971. 2858.2701  
Dry Whey. January 31, 1971. 2858.2601  
Edible Dry Casein (Acid). September 1, 1968. 2858.2800  
Instant Nonfat Dry Milk. October 1, 1970. 2858.2750  
Monterey (Monterey Jack) cheese. January 15, 1973. 2858.2465  
Nonfat Dry Milk (Roller Process). April 1, 1973. 2858.2550  
Nonfat Dry Milk (Spray Process). April 1, 1973. 2858.2525  
Scorched Particle Standards for Dry Milk. March 3, 1951. 2858.2676  
(Visual aid of four disks--7.5 mg to 32.5 mg) price \$3.75. 2/  
Sediment Standards for Milk and Milk Products. Dec. 3, 1949. 2858.2726  
Visual aid of ten 1-1/8 inch sizes--0 mg to 2.5 mg. And May 4, 1964,  
visual aids of six standards for a 1-1/8 inch diameter filtering area--  
commonly used for "off-the-bottom" can testing--0 mg to 6.0 mg  
(2858.2728), of six standards for a 0.40 inch diameter filtering area--  
commonly used for bulk milk sample testing--0 mg to 6.0 mg equiv.  
(2858.2730), of three commonly used standards of 1-1/8 inch diameter--.50  
mg to 2.5 mg (2858.2729), and three commonly used standards of 0.40 inch  
diameter--0.50 mg to 2.50 mg equiv. (2858.2731) 3/  
Sept. 1, 1977, visual aid for three standards for 0.10 inch, 0.14 inch,  
and 0.20 inch diameter filtering areas for use with universal milk sam-  
ples. (2858.2732) price \$3.75 2/  
Swiss cheese. August 11, 1966. 2858.2570  
Bulk American Cheese for Manufacturing. December 22, 1971. 2858.2455

## FRUIT AND VEGETABLES, FRESH

WRITE TO: FRUIT AND VEGETABLE QUALITY DIVISION, FSQS

Uniform grade nomenclature policy for U.S. Standards for grades of fresh  
fruits, vegetables, nuts and other special products. July 1, 1976.  
2951.100  
Basic trading grades  
Anise, sweet. March 15, 1973. 2851.2900  
Apples. September 1, 1964; amended Oct. 1, 1966 & July 25, 1972. 2858.300;  
amended March 25, 1976. 2851.309  
Apricots. May 25, 1928. 2851.2925  
Artichokes. May 15, 1969. 2851.3785  
Asparagus. April 1, 1966. 2851.3720  
Avocados. September 3, 1957. 2851.3050  
Beans, lima. January 5, 1938. 2851.3805  
Beans, snap. August 1, 1936. 2851.3830  
Beets. August 1, 1955. 2851.375  
Beet Greens. June 1, 1959. 2851.2860  
Blueberries. June 1, 1966. 2851.3475  
Broccoli, Bunched Italian Sprouting. July 12, 1943. 2851.3555  
Brussels Sprouts. January 18, 1954. 2851.2250

- 2/ Visual aids available from Dairy Section Standardization Branch, Poultry  
and Dairy Quality Division, FSQS, USDA at prices subject to change.  
3/ Visual aids available from USDA Office of Governmental and Public  
Affairs at prices subject to change.

# FRUITS AND VEGETABLES, FRESH--CONTINUED

Cabbage. September 1, 1945. 2851.450  
Cantaloups. April 15, 1961; amended June 30, 1968. 2851.475  
Carrots, Bunched. September 18, 1954. 2851.2455  
Carrots, Topped. December 20, 1965. 2851.2360  
Carrots with Short Trimmed Tops. September 18, 1954. 2851.2485  
Cauliflower. March 15, 1968. 2851.540  
Celery. April 7, 1959. 2851.560  
Cherries, Sweet. May 7, 1971. 2851.2646  
Collard or Broccoli Greens. April 16, 1953. 2851.520  
Corn, Green. May 18, 1954. 2851.835  
Cranberries. August 26, 1971. 2851.2775  
Cucumbers. March 1, 1958. 2851.2220  
Cucumbers, Greenhouse. October 1, 1934. 2851.3855  
Dandelion Greens. February 4, 1955. 2851.2585  
Dewberries and Blackberries. February 13, 1928. 2851.4270  
Eggplant. October 29, 1953. 2851.2190  
Endive, Escarole or Chicory. October 1, 1964. 2851.3535  
Garlic. September 4, 1944. 2851.3880  
Grapes, American (Eastern Type) Bunch. April 15, 1965. 2851.3610  
Grapes, Juice (European Type). July 20, 1939. 2851.4290  
Grapes, Table (European or Vinifera Type). May 20, 1971. 2851.880  
Grapefruit (California and Arizona). January 9, 1950. 2851.925  
Grapefruit (Florida). October 15, 1967; amended Feb. 13, 1968. 2851.750;  
 amended Jan. 31, 1973. 2851.784; amended Nov. 22, 1975. 2851.761  
Grapefruit (Texas). October 1, 1969. 2851.620  
Honey Dew and Honey Ball Melons. April 1, 1967. 2851.3740  
Horseradish Roots. July 27, 1936. 2851.3900  
Kale. April 25, 1934. 2851.3930  
Lemons. September 1, 1964. 2851.2795  
Lettuce. December 1, 1975. 2851.2510  
Lettuce, Greenhouse Leaf. September 1, 1964. 2851.3455  
Limes, Persian (Tahiti). June 20, 1958. 2851.1000  
Mushrooms. July 15, 1966. 2851.3385  
Mustard Greens and Turnip Greens. March 8, 1953. 2851.1030  
Nectarines. April 23, 1966. 2851.3145  
Okra. December 18, 1928. 2851.3945  
Onions, Bermuda-Granex-Grano. January 1, 1960; amended March 18, 1962.  
 2851.3195  
Onions, Common Green. June 20, 1947. 2851.1055  
Onions, Creole. April 10, 1943. 2851.3955  
Onions (Other than Bermuda-Granex-Grano and Creole Types). December 15,  
 1966; amended October 1, 1971. 2851.2830  
Onion Sets. February 1, 1940. 2851.3980  
Oranges, California and Arizona. September 23, 1957. 2851.1085  
Oranges, Texas. October 1, 1969. 2851.681  
Oranges and Tangelos, Florida. October 15, 1967; amended Feb. 13, 1968.  
 2851.1140; amended Jan. 31, 1973. 2851.1180; amended Nov. 22, 1975.  
 2851.1152  
Parsley. July 30, 1930. 2851.4000  
Parsnips. December 10, 1945. 2851.4010  
Peaches. June 15, 1952. 2851.1210  
Pears, Summer and Fall. August 20, 1955. 2851.1260  
Pears, Winter. September 10, 1955. 2851.1300  
Peas, Fresh. June 1, 1942. 2851.1375  
Peas, Southern. July 13, 1956. 2851.2670  
Peppers, Sweet. May 1, 1960; amended Dec. 15, 1963. 2851.3270

## FRUITS AND VEGETABLES, FRESH--CONTINUED

Pineapples. February 23, 1953. 2851.1485  
Plums and Prunes, fresh. April 23, 1966; amended May 9, 1969. 2851.1520  
Potatoes. September 1, 1971; amended Feb. 5, 1972. 2851.1540  
Potatoes, seed. April 29, 1972. 2857.3000  
Radishes. October 1, 1968. 2851.2395  
Raspberries. May 29, 1931. 2851.4320  
Rhubarb (field grown). February 1, 1966. 2851.3665  
Romaine. August 10, 1960. 2851.3295  
Shallots, bunched. December 16, 1946. 2851.1630  
Spinach Leaves. December 27, 1946. 2851.1730  
Spinach Plants. November 19, 1956. 2851.2880  
Squash, Fall and Winter Type. November 15, 1944. 2851.4030  
Squash, Summer. March 26, 1945. 2851.4050  
Strawberries. July 1, 1965. 2851.3115  
Sweetpotatoes. July 1, 1963. 2851.1600  
Tangerines. September 18, 1948. 2851.1770  
Tangerines, Florida. October 15, 1967; amended Feb. 13, 1968. 2851.1810;  
amended Jan. 31, 1973. 2851.1835; amended Nov. 22, 1975. 2851.1818  
Tomatoes. Dec. 1, 1973. 2851.1855; correction Sept. 5, 1973; amended Feb.  
1, 1975. 2851.1860; amended April 15, 1976. 2851.1859  
Tomatoes, Greenhouse. April 19, 1966. 2851.3345  
Turnips or Rutabagas. August 1, 1955. 2851.2610  
Watermelons. January 15, 1978. 2851.1970

## Processing Grades

Apples. June 1, 1961. 2851.340  
Asparagus, Green for processing. April 5, 1972. 2851.4075  
Beans, Lima, Shelled. June 6, 1953. 2851.355  
Beans, Snap. July 26, 1959. 2851.3240  
Beets. December 5, 1945. 2851.4095  
Berries. June 2, 1947. 2851.860  
Blueberries. August 5, 1950. 2851.2025  
Broccoli. October 4, 1959. 2851.425  
Cabbage. January 17, 1944. 2851.4120  
Carrots. January 17, 1944. 2851.4140  
Cauliflower. September 4, 1959. 2851.3220  
Cherries, Red sour for manufacture. April 20, 1941. 2851.4340  
Cherries, Sweet for canning or freezing. June 1, 1946. 2851.4360  
Cherries, Sweet for export for sulphur brining. May 28, 1940. 2851.4380  
Corn, Sweet. May 15, 1962. 2851.3365  
Cranberries. August 24, 1957. 2851.3030  
Cucumbers, for pickling. December 10, 1936. 2851.4170  
Currants. May 18, 1952. 2851.1950  
Grapes, American (Eastern Type) bunch for processing and freezing. July 5,  
1943. 2851.4400  
Grapes, for processing and freezing. September 1, 1977. 2851.2150  
Mushrooms. April 1, 1964. 2851.3435  
Okra. December 15, 1965. 2851.3635  
Onions. January 17, 1944. 2851.4190  
Peaches, Freestone for canning, freezing, or pulping. June 1, 1966.  
2851.3695  
Pears for processing. July 1, 1970. 2851.1345

## FRUIT AND VEGETABLE, FRESH--CONTINUED

Peas, fresh shelled for canning or freezing. January 15, 1946. 2851.4210  
Peas, Southern. June 1, 1965. 2851.3585  
Peppers, sweet. March 22, 1948. 2851.1465  
Potatoes, July 10, 1963. 2851.3410  
Potatoes, for chipping. January 1, 1978. 2851.4575  
Raspberries. May 18, 1952. 2851.1710  
Spinach. July 10, 1956. 2851.2696  
Strawberries, growers' stock for manufacture. June 1, 1935. 2851.4415  
Strawberries, washed and sorted for freezing. June 1, 1935. 2851.4435  
Sweetpotatoes for canning or freezing. July 24, 1959. 2851.1660  
Sweetpotatoes for dicing or pulping. July 23, 1951. 2851.1685  
Tomatoes. March 1, 1973. 2851.3310  
Tomatoes, green. April 15, 1950. 2851.1930  
Tomatoes, Italian type for canning. May 7, 1957. 2851.2976

### Special Consumer Grades

Beet Greens. November 1, 1958. 2851.3170  
Broccoli, Italian sprouting. October 28, 1950. 2851.400  
Brussels Sprouts. August 19, 1950. 2851.2050  
Carrots. July 17, 1954. 2851.495  
Celery. March 27, 1949. 2851.595  
Corn, husked on the cob. May 11, 1950. 2851.810  
Kale. August 26, 1950. 2851.975  
Parsnips. March 23, 1954. 2851.2310  
Potatoes. December 8, 1947. 2851.1575  
Spinach Leaves. November 11, 1953. 2851.1750  
Tomatoes. October 10, 1948. 2851.1900  
Turnips. August 20, 1954. 2851.2425

### Nuts and Special Products

Almonds, in the shell. July 15, 1964. 2851.2075  
Almonds, shelled. August 15, 1960. 2851.2105  
Asparagus Plumosus. June 6, 1930. 2851.4455  
Brazil Nuts In The Shell. August 25, 1966. 2851.3500  
Christmas Trees. April 1, 1973. 2851.3085  
Filberts, in the shell. September 1, 1970. 2851.1995  
Mixed Nuts, in the shell. September 18, 1970. 2851.3520  
Peanuts, cleaned Virginia type in the shell. September 18, 1948. 2851.1235  
Peanuts, shelled runner type. July 31, 1956. 2851.2710  
Peanuts, shelled spanish type. July 15, 1965. 2851.2730  
Peanuts, shelled Virginia type. August 31, 1959. 2851.2750  
Pecans, in the shell. October 15, 1976. 2851.1400  
Pecans, shelled. July 15, 1969. 2851.1430  
Peonies in the bud. April 1, 1938. 2851.4475  
Tomato Plants. January 3, 1944. 2851.4505  
Walnuts, shelled. January 25, 1959; amended Sept. 1, 1968. 2851.2275  
Walnuts, in the shell. Sept. 12, 1964; amended Sept. 1, 1968. 2851.2945;  
amended November 15, 1976. 2851.2954

## FRUITS AND VEGETABLES, PROCESSED

WRITE TO: FRUIT AND VEGETABLE QUALITY DIVISION, FSQS

Apples, canned. October 17, 1953. 2852.2161  
Apples, dried. October 24, 1955. 2852.2481  
Apples, dehydrated (low moisture). July 31, 1977. 2852.2341  
Apples, frozen. May 17, 1954. 2852.361  
Apple Butter, canned. August 5, 1957. 2852.2801  
Apple Juice, canned. July 1, 1971. 2852.301  
Apple Juice, concentrated, frozen. May 15, 1975. 2852.6321  
Applesauce, canned. June 25, 1974. 2852.331  
Apricots, canned. May 12, 1976. 2852.2641  
Apricots, dehydrated (low moisture). June 30, 1974. 2852.3871  
Apricots, dried. May 24, 1967. 2852.5761  
Apricots, frozen. June 20, 1963. 2852.5521  
Apricots, solid-pack, canned. May 12, 1976. 2852.6241  
Asparagus, canned. June 20, 1973. 2852.2541  
Asparagus, frozen. June 30, 1974. 2852.381  
Beans, baked, canned. September 1, 1976. 2852.6461  
Beans, dried, canned. September 1, 1976. 2852.411  
Beans, green and wax, canned. February 13, 1972. 2852.441  
Beans, green and wax, frozen. May 8, 1975. 2852.2321  
Beans, lima canned. March 20, 1960. 2852.471  
Beans, lima frozen. April 16, 1957. 2852.501  
Beans, speckled butter (lima) frozen. July 21, 1962. 2852.5241  
Beets, canned. February 4, 1955. 2852.521  
Berries, frozen. May 24, 1967. 2852.5881  
Blackberries and other similar berries, canned. May 12, 1976. 2852.551  
Blueberries, canned. May 12, 1976. 2852.581  
Blueberries, frozen. May 7, 1955. 2852.611  
Broccoli, frozen. July 1, 1975. 2852.631  
Brussels Sprouts, frozen. May 11, 1951. 2852.651  
Carrots, canned. July 2, 1959. 2852.671  
Carrots, frozen. February 28, 1974. 2852.701  
Cauliflower, frozen. November 12, 1951. 2852.721  
Cherries, Red Tart Pitted, canned. May 12, 1976. 2852.771  
Cherries, Red Tart Pitted, frozen. June 28, 1974. 2852.801  
Cherries, sweet canned. May 12, 1976. 2852.821  
Cherries, sweet frozen. March 1, 1958. 2852.3161  
Chili Sauce, canned. October 20, 1953. 2852.2191  
Corn, Cream Style, canned. July 1, 1957. 2852.851  
Corn-On-The-Cob, frozen. July 27, 1970. 2852.931  
Corn, Whole Kernel, canned. July 30, 1952. 2852.881  
Corn, Whole Kernel, frozen. August 1, 1952. 2852.911  
Cranberry Sauce, canned. March 19, 1951. 2852.951  
Cranberries, frozen. September 22, 1971. 2852.6281  
Dates. August 26, 1955. 2852.1001  
Figs, Kadota, canned. May 12, 1976. 2852.2821  
Figs, dried. February 27, 1967. 2852.1021  
Fruit Cocktail, canned. May 12, 1976. 2852.1051  
Fruit Jelly. January 2, 1948. 2852.1081  
Fruit Preserves (or Jams). October 29, 1974. 2852.1111  
Fruits For Salad, canned. June 20, 1973. 2852.3831  
Grape Juice, canned. May 14, 1951. 2852.1341  
Grape Juice, concentrate, sweetened, frozen. November 1, 1957. 2852.2451  
Grapefruit, canned. October 25, 1973. 2852.1141



# FRUITS AND VEGETABLES, PROCESSED--CONTINUED

Grapefruit, frozen. February 20, 1948. 2852.1171  
Grapefruit and Orange For Salad, canned. April 8, 1975. 2852.1251  
Grapefruit Juice. December 7, 1968. 2852.6121  
Grapefruit Juice, concentrated, frozen. October 1, 1970. 2852.1221  
Grapefruit Juice, dehydrated. July 1, 1969. 2852.3021  
Grapefruit Juice and Orange Juice, canned. November 1, 1972. 2852.1281  
Grapefruit Juice and Orange Juice, concentrated, blended, frozen  
 September 21, 1968. 2852.1311  
Grapefruit Juice for Manufacturing, concentrated. March 20, 1957. 2852.3481  
Grapes, canned. May 12, 1976. 2852.4021  
Hominy, canned. March 10, 1958. 2852.3281  
Leafy Greens, canned. September 1, 1973.  
Leafy Greens, (other than Spinach) frozen. June 13, 1952. 2852.1371  
Lemon Juice, canned. December 8, 1962. 2852.5481  
Lemon Juice, concentrated for manufacturing. August 1, 1959. 2852.3951  
Lemonade, concentrate, frozen. September 21, 1968. 2852.1421  
Limeade, concentrate, frozen. September 21, 1968. 2852.2521  
Melon Balls. June 25, 1962. 2852.5361  
Mushrooms, canned. April 7, 1962. 2852.1281  
Okra, canned. July 8, 1957. 2852.3331  
Okra, frozen. August 20, 1969. 2852.1511  
Okra and Tomatoes, Tomatoes and Okra, canned. December 24, 1957. 2852.3427  
Olives, green. September 8, 1967. 2852.5441  
Olives, ripe, canned. September 1, 1977. 2852.3751  
Onion Rings, breaded, frozen. October 17, 1959. 2852.4061  
Onions, canned. November 2, 1957. 2852.3041  
Orange Juice, canned. February 17, 1976. 2952.1551  
Orange Juice, dehydrated. February 17, 1976. 2852.2981  
Orange Juice, concentrated, canned. February 17, 1976. 2852.2251  
Orange Juice, concentrated, frozen. February 17, 1976. 2852.1581  
Orange Juice, concentrated for manufacturing. Feb. 17, 1976. 2852.2221  
Orange Juice, pasteurized. February 17, 1976. 2852.5641  
Orange Juice, from concentrate. February 17, 1976. 2852.5681  
Orange Marmalade. December 31, 1974. 2852.1451  
Peaches, dehydrated (low moisture). June 30, 1974. 2852.3911  
Peaches, dried. May 24, 1967. 2852.5801  
Peaches, frozen. July 3, 1961. 2852.3551  
Peaches, Clingstone, canned. May 12, 1976. 2852.2561  
Peaches, Freestone, canned. May 12, 1976. 2852.2601  
Pears, canned. May 12, 1976. 2852.1611  
Pears, dried. May 24, 1967. 2852.5841  
Peas, canned. May 13, 1955. 2852.2281  
Peas, frozen. May 28, 1959. 2852.3511  
Peas and Carrots, canned. July 20, 1970. 2852.6201  
Peas and Carrots, frozen. March 20, 1955. 2852.2501  
Peas, Field and Blackeye, canned. July 1, 1957. 2852.1641  
Peas, Field and Blackeye, frozen. May 24, 1976. 2852.1661  
Peppers, sweet, frozen. March 13, 1959. 2852.3001  
Pickles. September 1, 1966. 2852.1681  
Pimientos, canned. October 23, 1967. 2852.2681  
Pineapple, canned. March 16, 1957. 2852.1711  
Pineapple, frozen. January 25, 1949. 2852.1741  
Pineapple Juice, canned. March 16, 1957. 2852.1761  
Plums, canned. January 10, 1977. 2852.1781  
Plums, frozen. March 6, 1956. 2852.2911

## FRUITS AND VEGETABLES, PROCESSED--CONTINUED

Pork & Beans, canned. September 1, 1976. 2852.6441  
Potatoes, French Fried, frozen. February 8, 1967. 2852.2391  
Potatoes, Hash Brown. November 15, 1976. 2852.6401  
Potatoes, White, canned. December 1, 1977. 2852.1811  
Prunes, dehydrated (low moisture). June 13, 1960. 2852.3231  
Prunes, dried, canned. May 12, 1976. 2852.5601  
Prunes, dried. October 11, 1965. 2852.3181  
Pumpkin (Squash), canned. July 1, 1957. 2852.2741  
Raisins, processed. September 1, 1976. 2852.1841  
Raspberries, canned. May 12, 1976. 2856.3311  
Raspberries, frozen. July 1, 1957. 2852.1871  
Rhubarb, frozen. August 15, 1945  
Sauerkraut, canned. May 13, 1963. 2852.2951  
Spinach, canned. May 8, 1971. 2851.1901  
Spinach, frozen. September 7, 1964. 2852.1921  
Squash (cooked) frozen. October 5, 1953. 2852.1941  
Squash (summer type) canned. May 25, 1959. 2852.3581  
Squash (summer type) frozen. April 3, 1953. 2852.1961  
Strawberries, frozen. February 1, 1958. 2852.1981  
Succotash, canned. May 24, 1967. 2852.6001  
Succotash, frozen. March 6, 1959. 2852.2011  
Sweetpotatoes, canned. August 16, 1976. 2852.2041  
Sweetpotatoes, frozen. September 4, 1962. 2852.5001  
Tangerine Juice, canned. July 1, 1969. 2852.2071  
Tangerine Juice, concentrated for manufacturing, canned. October 31, 1955.  
2852.2931  
Tomatoes, canned. July 24, 1964. 2852.5161  
Tomato Catsup. August 31, 1953. 2852.2101  
Tomato Juice, canned. June 24, 1958. 2852.3621  
Tomato Juice, concentrated. February 25, 1970. 2852.5201  
Tomato Paste, canned. September 19, 1977. 2852.5041  
Tomato Puree (tomato pulp) canned. February 25, 1970. 2852.5081  
Tomato Sauce, canned. October 21, 1960. 2852.2371  
Turnip Greens with Turnips, frozen. August 19, 1958. 2852.3731  
Vegetables, Mixed, frozen. May 24, 1954. 2852.2131

## Honey and Sugar Products

Honey, comb. May 24, 1967. 2852.2861  
Honey, extracted. April 16, 1951. 2852.1391  
Maple Sirup for Reprocessing. May 24, 1967. 2852.5921  
Maple Sirup, table. May 24, 1967. 2852.5961  
Molasses, Sugarcane. November 16, 1959. 2852.3651  
Refiners' Sirup. June 15, 1967. 2852.3101  
Sugarcane Sirup. April 16, 1957. 2852.3101

## Miscellaneous Processed Products

Cherries, Sulfured. June 12, 1951. 2852.741  
Olive Oil. March 22, 1948. 2852.1531  
Peanut Butter. February 5, 1972. 2852.3061  
Potatoes, White, peeled. June 8, 1954. 2852.2421  
Sauerkraut, bulk. May 24, 1967. 2852.3451

GRAIN AND RELATED COMMODITIES  
(INCLUDING SOYBEANS)

WRITE TO: FEDERAL GRAIN INSPECTION SERVICE

Grain

Barley. Jan. 8, 1974. 26.201  
Corn. Jan. 8, 1974. 26.351  
Flaxseed. Jan. 8, 1974. 26.501  
Mixed Grain. Jan. 8, 1974. 26.251  
Oats. June 1, 1975. 26.251  
Rye. Jan. 8, 1974. 26.401  
Sorghum. June 1, 1974. 26.551  
Soybeans. Jan. 8, 1974. 26.601  
Wheat. May 1, 1977. 26.301

Beans, Peas, Lentils, and Rice

Beans. August 1, 1969. 68.101  
Lentils. December 1, 1971. 68.601  
Peas, Whole Dry. July 1, 1974. 68.401  
Peas, Split. December 1, 1971. 68.501  
Rice, Rough. August, 1977. 68.201  
Brown Rice for Processing. August, 1977. 68.251  
Rice, Milled. August, 1977. 68.301

Hay and Straw

Alfalfa and Alfalfa Mixed Hay. June 1, 1949. 57.3  
Cowpea and Cowpea Mixed Hay. June 1, 1949. 57.10  
Grass Hay. June 1, 1949. 57.12  
Grain, Wild Oats, Vetch, and Grain Mixed Hay. June 1, 1949. 57.7  
Johnson and Johnson Mixed Hay. June 1, 1949. 57.6  
Lespedeza and Lespedeza Mixed Hay. June 1, 1949. 57.8  
Mixed Hay. June 1, 1949. 57.13  
Peanut and Peanut Mixed Hay. June 1, 1949. 57.11  
Prairie Hay. June 1, 1949. 57.5  
Soybean and Soybean Mixed Hay. June 1, 1949. 57.9  
Timothy and Clover Hay. June 1, 1949. 57.4  
Straw. July 1, 1949. 57.50 (Wheat Straw, Oat Straw, Barley Straw, Rye Straw, and Rice Straw)

(Handbook of Official Hay and Straw Standards, Revised 1949.)

## LIVESTOCK AND WOOL

WRITE TO: LIVESTOCK DIVISION, AMS

### Live Animals

Slaughter Cattle. (steer, bullock, bull, cow, and heifer) April 14, 1975. 53.201 (Quality and Yield)  
Slaughter Vealers and Calves. January 1, 1972. 53.120  
Feeder Cattle. September 25, 1964. 53.208  
Slaughter Lambs and Sheep. (Quality and Yield) March 1, 1969. 53.130  
Slaughter Barrows and Gilts. July 1, 1968. 53.152  
Slaughter Sows. September 1, 1956. 53.154  
Feeder Pigs. April 1, 1969. 53.158

### Wool

Grease Wool. January 1, 1966. 31.0  
Wool Top. January 11, 1969. 31.100  
Grease Mohair. August 1, 1971. 32.1  
Mohair Top. January 1, 1973. 32.100

## MEAT

WRITE TO: MEAT QUALITY DIVISION, FSQS

Carcass Beef. (steer, heifer, and cow; bullock; and bull) April 14, 1975. 2853.102 (Quality and Yield)  
Veal and Calf Carcasses. January 1, 1972. 2853.112  
Lamb, Yearling Mutton, and Mutton Carcasses. 2853.122  
(Quality) March 1, 1960.  
(Yield) March 1, 1969.  
Barrow and Gilt Carcasses. April 1, 1968. 2853.132  
Sow Carcasses. September 1, 1956. 2853.137

## POULTRY AND POULTRY PRODUCTS (INCLUDING RABBITS)

WRITE TO: POULTRY AND DAIRY QUALITY DIVISION, FSQS

Eggs, shell. June 30, 1975. 2856.200 (Regulations governing the grading of shell eggs and United States Standards, Grades, and Weight Classes for Shell Eggs.)  
Poultry and Rabbits. July 15, 1976. 2870.200 and 2870.300 (Regulations Governing the Voluntary Grading of Poultry Products and Rabbit Products and United States Classes, Standards, and Grades with respect thereto.)

TOBACCO, NAVAL STORES

WRITE TO: TOBACCO DIVISION, AMS

Flue-Cured Tobacco. (U.S. Types 11, 12, 13, and 14) April 25, 1977.  
29.21091

Fire-Cured Tobacco. (U.S. Type 21) August 10, 1972. 29.2251

Fire-Cured Tobacco. (U.S. Types 22 and 23) August 11, 1972. 29.2501

Burley Tobacco. (U.S. Type 31) July 27, 1970. 29.3001

Maryland Tobacco. (U.S. Type 32) April 7, 1969. 29.3251

Dark Air-Cured Tobacco. (U.S. Types 35, 36, and 37) August 22, 1965.  
29.3501

Pennsylvania Seedleaf Tobacco. (U.S. Type 41) January 8, 1965. 29.4251

Ohio Cigar-Leaf Tobacco. (U.S. Types 42, 43, and 44) December 8, 1963.  
29.4501

Puerto Rican Cigar-Filler Tobacco. (U.S. Type 46) January 6, 1964.  
29.5251

Connecticut Valley Cigar-Binder Tobacco. (U.S. Types 51 and 52) September  
27, 1962. 29.5501

Wisconsin Cigar-Binder Tobacco. (U.S. Types 54 and 55) November 20, 1969.  
29.6001

Connecticut Valley Shade-Grown Tobacco. (U.S. Type 61) April 25, 1971.  
29.6251

Georgia and Florida Shade-Grown Tobacco. (U.S. Type 62) April 25, 1971.  
29.6501

Rosin, Gum Wood, and Tall Oil. September 15, 1968. 160.302

Turpentine. February 8, 1952. 160.7 (Gum Spirits of Turpentine, Steam  
Distilled Wood Turpentine, and Sulphate Wood Turpentine) (SRA-PMA 170)

## INSTITUTIONAL MEAT PURCHASE SPECIFICATIONS

The Institutional Meat Purchase Specifications (IMPS) are not official USDA standards. They were developed in conjunction with procurement agencies and suppliers and are approved for use in meat procurement programs in which the meats are examined, accepted, and certified by Federal meat graders.

IMPS are not distributed through USDA but may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Those available are:

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## APPENDIX

### ACTS OF CONGRESS MAKING STANDARDS MANDATORY UNDER CERTAIN CONDITIONS

Naval Stores Act of 1923--Makes mandatory the use of Federal Standard Grades for all rosin sold in interstate commerce and requires all turpentine sold in interstate commerce to be one of the kinds recognized under the act and defined in the Federal Standards. Also requires turpentine to meet the specifications of the American Society for Testing and Materials as to Quality.

Tobacco Inspection Act--Provides for free and mandatory inspection of tobacco (based on official grades) on any market designated by the Secretary of Agriculture after a referendum in which two-thirds of the growers supplying that market vote approval.

Tobacco Stocks and Standards Act--Provides for promulgation of standards and makes mandatory use of federal type classifications and groups of grades when reporting stocks of leaf tobacco.

U.S. Cotton Standards Act--Prohibits use of nonofficial standards, with the exception of sales by sample. Sec. 52 states "it shall be unlawful (A) in or in connection with any transaction or shipment in commerce made after August 1, 1923, or (B) in any publication of a price or quotation determined in or in connection with any transaction or shipment in commerce after August 1, 1923, or (C) in any classification for the purposes of or in connection with a transaction or shipment in commerce after August 1, 1923, for any person to indicate for any cotton a grade or other class which is of or within the official cotton standards of the United States then in effect under this chapter by a name, description, or designation, or any system of names, description, or designation not used in said standards: provided, that nothing in this section shall prevent a transaction otherwise lawful by actual sample or on the basis of a private type which is used in good faith and not in evasion of or substitution for said standards." (March 4, 1923, CH. 288, Sec. 2, 42 Stat. 1517)

U.S. Internal Revenue Code of 1954--Cotton Futures Provisions--Requires that the classification of all cotton tendered on futures contracts be done by government employees on the basis of official cotton standards.

U.S. Export Apple and Pear Act of 1933--Requires apples and pears exported to meet specifications of U.S. Standards for these fruits. Prohibits exporting apples below U.S. No. 1 Grade (U.S. No. 1 early for certain varieties) and pears below U.S. No. 2 Grade.

U.S. Export Grape and Plum Act of 1960--Requires vinifera table grapes for export to meet minimum quality standards.

U.S. Grain Standards Act--Makes mandatory the use of Federal Standards for barley, corn, flaxseed, grain sorghum, mixed grains, oats, rye, soybeans, and wheat, when sold by grade in foreign commerce.

U.S. Warehouse Act--Official grades must be used on stored commodities such as tobacco, grain, and cotton if the grade is stated on the warehouse receipt.